

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kevin J. Ryan

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Serial No.: Unknown

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Title: PIPELINED PACKET-ORIENTED MEMORY SYSTEM HAVING A
UNIDIRECTIONAL COMMAND AND ADDRESS BUS AND A
BIDIRECTIONAL DATA BUS

5/a
LR
3-27-01

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Before taking up the above-identified application for examination, please enter the following amendments.

IN THE SPECIFICATION

In the first line after the title, please insert the following -- This application is a Divisional
of U.S. Application No. 08/886,753, filed July 1, 1997, ^{now} U.S. Patent No. 6,286,062.

IN THE CLAIMS

Please cancel claims 1-12 and 17-31 without prejudice, amend claims 13 and 14, and add new claims 32-55 as follows:

13. (Amended) A memory system comprising:
a memory controller;
a unidirectional command and address bus coupled to the memory controller, the memory controller communicating commands and addresses to the command and address bus;
a bidirectional data bus coupled to the memory controller, the memory controller communicating data information to the bidirectional data bus for a write operation and receiving the data information from the bidirectional data bus during a read operation;
a memory module [each pipelined memory subsystem], wherein the memory module
includes:

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